PEND OREILLE RIVER BASIN

12398550 BOUNDARY DAM RESERVOIR NEAR METALINE FALLS, WA

LOCATION.--Lat 48°59'20", long 117°20'55", in NE $^1/_4$ NE $^1/_4$ sec.10, T.40 N., R.43 E., Pend Oreille County, Hydrologica Unit 17010216, at Boundary Dam 1.0 mi upstream from international boundary, 8.8 mi north of Metaline Falls and at mile 17.

DRAINAGE AREA.--25,200 mi^2 , approximately.

WATER-QUALITY RECORDS

PERIOD OF RECORD. -- April 1999 to current year.

PERIOD OF DAILY RECORD . --

WATER TEMPERATURE: April 1999 to current year.
TOTAL DISSOLVED GAS: April 1999 to current year

INSTRUMENTATION. -- Water-quality monitor since April 1999.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument. Temperature record rated excellent except partial days which were rated fair. Total dissolved gas record rated good except partial days which were rated fair. Partial days were April 8, 13 (Temp. only), 14, 15, 16, 18, and May 18, 19.

WATER TEMPERATURE: Maximum recorded, 24.0°C on several days during August, 2000, but may have been higher during periods of missing record; minimum recorded, 0.5°C Feb. 5, 6, 2000, but may have been lower during periods of missing record.

TOTAL DISSOLVED GAS: Maximum recorded, 132 percent June 15, 1999; minimum 94 percent, Dec. 21-25, 1999, but may have been lower during periods of missing record.

TREMES FOR CURRENT YEAR.-WATER TEMPERATURE: Maximum, 24.0°C on several days during August, but may have been higher during periods of missing record;
minimum, 0.5°C Feb. 5, 6, but may have been lower during periods of missing record.

TOTAL DISSOLVED GAS: Maximum, 124 percent, May 3, 9, 10, 25, 26, but may have been higher during periods of missing record;
minimum, 94 percent, Dec. 21-25, but may have been lower during periods of missing record.

PRESSURE, TOTAL PARTIAL, DISSOLVED GASSES, WATER, PERCENT SATURATION, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	99 100 99 100 100	 	97 98 96 96 98	98 97 96 96 95	98 97 96 97 97	100 100 101 102 102	103 103 104 106 105	122 123 124 123 123	 117 118 119	115 113 109 105 103	 	99 99 98 98 98
6 7 8 9 10	100 100 100 99 98		99 97 96 96 97	95 95 96 97 97	97 97 99 99	102 101 101 101 100	105 103 102 103 104	122 122 123 124 124	116 115 111 108 107	102 102 103 103	 104 103 103	98 98 99 99
11 12 13 14 15	99 98 99 99	 98	96 98 97 97 97	98 97 	100 100 100 100 99	101 101 102 103 102	104 105 107 106	120 118 117 118 116	105 106 107 112 114	103 103 104 104	102 102 101 101 99	97 98 97 98 98
16 17 18 19 20	97 97 97 97 97	99 99 97 97	96 96 96 95 95	 	98 99 98 98 99	103 102 102 103 101	108 108 109 113 120	118 118 116 117 117	114 114 119 121	104 104 103 103	100 100 100 99 99	98 99 100 100 101
21 22 23 24 25	97 97 98 98 98	97 96 96 97 98	94 94 94 94 95	95 95 96 96	100 100 100 100 100	100 101 101 101 101	117 115 113 113 115	117 118 119 123 124	121 120 118 116 115	104 	99 99 99 99 100	101 99 99 98 98
26 27 28 29 30 31	98 98 	99 97 96 96 97	95 95 96 97 98 98	96 96 96 97 98 98	101 102 102 101	101 103 103 102 102 102	115 118 122 121 121	124 122 119 	115 116 115 115 115	 	99 99 98 99 99	98 98 98 100 101

12398550 BOUNDARY DAM RESERVOIR NEAR METALINE FALLS, WA--Continued

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
		TEMPER	ATURE,	WATER (DEG.	C), WA	TER YEAR	OCTOBER	1999 TO S	EPTEMBER	2000		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			VEMBER			DECEMBER			JANUARY	
1 2 3 4 5	15.0 14.5 14.5 14.5 14.0	14.5 14.5 14.0 13.5 13.5	15.0 14.5 14.5 14.0 13.5	9.5 9.5 9.0 9.0 8.5				6.0 6.0 5.5 5.5	6.5 6.0 6.0 5.5	2.5 2.5 2.0 2.5 2.5	2.5 2.0 2.0 2.0 2.0	2.5 2.0 2.0 2.0 2.5
6 7 8 9 10	13.5 13.5 13.5 13.5 13.5	13.0 13.0 13.5 13.5	13.5 13.5 13.5 13.5 13.5	8.5 8.5 8.0 8.0	8.0 8.0 8.0 8.0	8.0 8.0 8.0 8.0	5.5 5.0 5.0 5.0	5.0 5.0 5.0 5.0 4.5	5.5 5.0 5.0 5.0	2.0 2.5 2.5 2.5 2.5	2.0 2.0 2.5 2.0 2.0	2.0 2.5 2.5 2.5 2.5
11 12 13 14 15	13.0 13.0 12.5 12.5	13.0 12.5 12.5 12.5 12.0	13.0 13.0 12.5 12.5 12.5	8.5 8.5 8.5 9.0	8.5 8.5 8.5 8.5	8.5 8.5 8.5 8.5 9.0	4.5 4.5 4.5 4.5	4.5 4.5 4.5	4.5 4.5 4.5 4.5 4.5	2.5 2.5 	2.0 2.0 	2.5 2.0
16 17 18 19 20	12.0 12.0 11.5 11.0	12.0 11.5 11.0 11.0	12.0 12.0 11.5 11.0	9.0 9.0 9.0 9.0 9.0	9.0 9.0 9.0 9.0 8.5	9.0 9.0 9.0 9.0 8.5	4.5 4.5 4.5 4.5	4.0 4.5 4.5	4.5 4.5 4.5 4.5 4.5	 	 	
21 22 23 24 25	11.0 11.0 11.0 11.0	11.0 11.0 11.0 11.0	11.0 11.0 11.0 11.0	8.5 8.5 8.0 7.5 7.5	8.5 8.0 7.5 7.5 7.0	8.5 8.0 8.0 7.5 7.0	4.0 4.0 4.0 4.0	4.0 4.0 4.0 4.0	4.0 4.0 4.0 4.0	1.5 1.0 1.0	1.0 1.0 1.0	1.5 1.0 1.0
26 27 28 29 30 31	10.5 10.5 10.5 10.0 10.0	10.5 10.5 10.0 10.0 9.5 9.5	10.5 10.5 10.0 10.0 10.0 9.5	7.0 6.5 6.5 6.5	6.5 6.5 6.5 6.5	6.5 6.5 6.5 6.5	4.0 4.0 4.0 4.0 3.5 3.5 3.0	4.0 3.5 3.5 3.5 3.0 2.5	4.0 4.0 3.5 3.5 3.0	1.0 1.0 1.5 1.5 1.5	1.0 1.0 1.5 1.5	1.0 1.0 1.5 1.5 1.5
MONTH	15.0	9.5	12.1	9.5	6.5	8.1	6.5	2.5	4.6	2.5	1.0	1.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	1.5 1.5 1.5 1.0	1.0 1.5 1.0 1.0	1.5 1.5 1.5 1.0	3.0 3.5 3.5 3.5 4.0	3.0 3.0 3.5 3.5 3.5	3.0 3.5 3.5 3.5 3.5	6.5 6.5 7.0 7.5 7.5	6.5 6.5	6.5 6.5 6.5 7.0 7.5	10.0 10.0 10.0 10.5 10.5	9.5 9.5 9.5 10.0	10.0 10.0 10.0 10.0 10.0
6 7 8 9 10	1.5	.5 1.0 1.0 1.5	.5 1.0 1.5 1.5	4.0 4.5 4.0 4.0 4.5	4.0 4.0 4.0 4.0 4.0	4.0 4.0 4.0 4.0	7.5 8.0 7.5 8.0 8.5	7.0 7.0 7.0 7.0 7.5	7.0 7.5 7.5 7.5 8.0	10.0 10.0 10.0 10.0	9.5 9.5 9.5 9.5 10.0	9.5 10.0 9.5 10.0 10.0
11 12 13 14 15	2.0 2.0 2.0 2.0 2.0	1.5 1.5 1.5 2.0 2.0	1.5 1.5 2.0 2.0 2.0	4.5 4.5 4.5 5.0	4.5 4.5 4.5 4.5 4.5	4.5 4.5 4.5 4.5 4.5	8.5 8.0 8.0 8.5	8.0 8.0 8.0 8.5 8.0	8.0 8.0 8.0 8.5	10.0 10.0 10.0 10.0	10.0 10.0 10.0 10.0	10.0 10.0 10.0 10.0
16 17 18 19 20	2.0 2.0 2.0 2.0 2.0	1.5 1.5 2.0 2.0	2.0 1.5 2.0 2.0 2.0	4.5 4.5 4.5 4.5 4.5	4.5 4.5 4.5 4.5 4.5	4.5 4.5 4.5 4.5 4.5	8.0 8.5 8.0 8.5 8.5	8.0 8.0 7.5 7.5 8.0	8.0 8.0 8.0 8.0	11.0 11.0 12.0 12.5 13.0	10.0 10.5 11.0 12.0 12.5	10.5 11.0 11.5 12.5 13.0
21 22 23 24 25	2.0 2.0 2.0 2.0 2.5	2.0 2.0 2.0 2.0 2.0	2.0 2.0 2.0 2.0 2.0	 		 	8.5 9.0 9.0 9.0	8.5 8.5 9.0 9.0 8.5	8.5 8.5 9.0 9.0	13.0 13.0 12.5 13.5 14.0	12.5 12.5 12.5 12.5 13.5	13.0 12.5 12.5 13.5 14.0
26 27 28 29 30 31	2.5 3.0 3.0 3.0	2.5 2.5 3.0 3.0	2.5 3.0 3.0 3.0	 6.0 6.5	 5.5 6.0	 6.0 6.0	8.5 8.5 9.0 9.5 10.0	8.0 8.5 9.0 9.5	8.0 8.0 9.0 9.0 9.5	14.0 13.5 13.5 	13.5 13.5 13.0 	13.5 13.5 13.0
MONTE		.5	1.8	6.5	3.0	4.3	10.0	6.0	8.0	14.0	9.5	11.2

PEND OREILLE RIVER BASIN

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12398550 BOUNDARY DAM RESERVOIR NEAR METALINE FALLS, WA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBE	R
1 2 3 4 5	14.0 15.0 15.0	13.0 14.0 14.5	13.5 14.0 14.5	19.0 19.5 19.5 19.0	18.5 19.0 19.0 19.0	19.0 19.0 19.0 19.0	 	 	 	20.5 20.5 20.0 20.0 20.0	20.5 20.0 20.0 20.0 19.5	20.5 20.0 20.0 20.0 19.5
6 7 8 9 10	15.0 15.0 15.5 15.5	14.5 15.0 15.0 15.0	15.0 15.0 15.0 15.0	19.0 18.5 18.5 19.0 18.5	18.5 18.0 18.0 18.5 18.5	18.5 18.5 18.5 18.5	24.0 24.0 24.0	23.5 23.5 23.5 23.5	24.0 24.0 24.0	20.0 19.0 18.5 18.0	19.0 18.5 18.0 18.0 17.5	19.5 19.0 18.5 18.0 18.0
11 12 13 14 15	15.0 14.5 14.5 14.0 14.0	14.5 14.5 12.5 14.0 13.5	15.0 14.5 14.0 14.0	19.0 19.0 19.5 20.0 20.5	18.5 18.5 19.0 19.5 20.0	18.5 18.5 19.0 19.5 20.0	24.0 24.0 24.0 24.0 23.5	23.5 23.5 23.5 23.5 23.0	24.0 24.0 23.5 23.5 23.5	17.5 17.0 17.5 17.0	17.0 17.0 17.0 17.0 17.0	17.5 17.0 17.0 17.0 17.0
16 17 18 19 20	14.0 14.5 15.5 15.5 15.5	13.5 14.0 14.5 15.5	14.0 14.5 15.0 15.5	21.0 21.0 21.5 21.5 21.5	20.0 20.5 20.5 20.5 21.0	20.5 20.5 20.5 21.0 21.0	23.5 23.5 23.0 22.5 22.0	23.0 23.0 22.5 22.0 22.0	23.5 23.0 23.0 22.5 22.0	17.5 17.5 17.5 18.0 18.0	16.5 17.0 17.5 17.5	17.0 17.0 17.5 17.5
21 22 23 24 25	16.0 16.5 17.0 16.5	15.5 16.0 16.0 16.5 16.0	16.0 16.0 16.5 16.5	22.0	21.5 	21.5 	22.0 22.0 22.5 21.5 21.5	22.0 21.5 21.5 21.5 21.0	22.0 22.0 21.5 21.5 21.5	17.5 17.5 17.5 17.0 16.5	17.5 17.0 17.0 16.5 15.5	17.5 17.5 17.0 16.5 16.0
26 27 28 29 30 31	17.0 17.5 18.0 18.5 18.5	16.0 16.5 17.5 18.0 18.0	16.5 17.0 18.0 18.0 18.5	 	 	 	21.5 21.5 21.0 21.0 21.0 20.5	21.0 21.0 21.0 20.5 20.5	21.5 21.0 21.0 21.0 20.5 20.5	16.0 15.5 15.0 14.5 14.5	15.0 14.5 14.5 14.5 14.5	15.5 15.0 14.5 14.5 14.5
MONTH YEAR	18.5 24.0	12.5	15.5 10.4	22.0	18.0	19.4	24.0	20.5	22.4	20.5	14.5	17.5